

## Perten AM5200-A calibration update instructions

May 1, 2015 implementation

### 1) Introduction

This instruction provides step by step direction for updating the AM5200-A moisture meter **from** version 08-01-2014 (August 1, 2014) **to** version 05-01-2015 (May 1, 2015).

If your meter is not currently operating with Calibration Version 08-01-2014, please contact Perten Instruments for assistance with the additional update steps required (contact information is at the end of this instruction).

This update uses a data file contained on a USB memory device ("USB drive") that has been prepared by one of two methods:

- a) It may have been received with the data file installed ready to use. In this case, the USB drive will be labeled "UGMA Calibration Updates: May 1, 2015"
- b) Otherwise the user will need to prepare the USB drive:

- a. Obtain a USB drive with at least 1 MB space unused
- b. Attach the USB drive to a PC that is connected to the Internet
- c. Create a new folder named "perten" on the USB drive
- d. Open the new "perten" folder and create a new folder named "import"
- e. Download the data file from the GIPSA Equipment webpage:

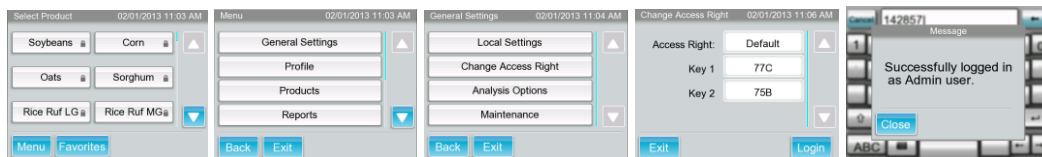
**<http://www.gipsa.usda.gov/fgis/equipment.html>**

Scroll down to the "Official Moisture Calibrations" section of the page and click on "Download all official moisture calibration files for Perten AM 5200-A"

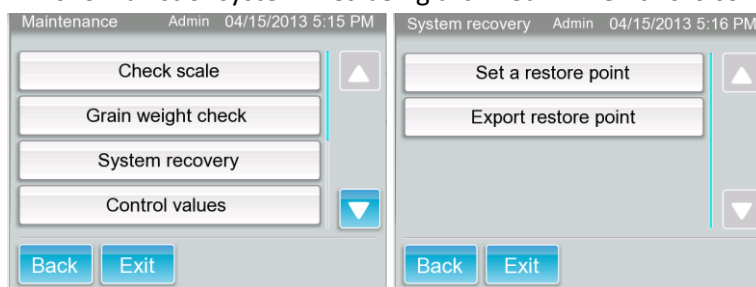
- f. Save the file onto the USB drive in the \perten\import\ folder (e.g. {drive name}\perten\import\trans\_update\_V2\_AM5200A\_to\_150501.zip)

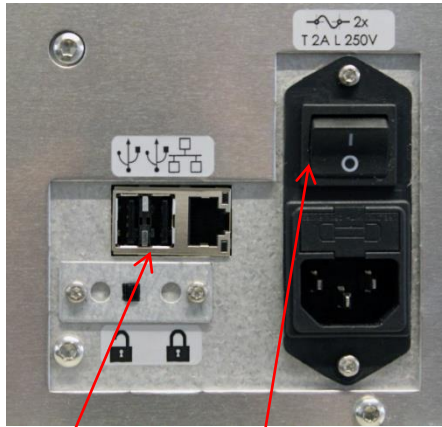
- 2) Before installing new calibrations, a "restore point" should be set, which provides a backup in case the update process is interrupted. (Go to instrument.)

- a) Set access right to "administrator" on the AM5200-A (Menu - General settings - Change access right). Touch the word "default" to get an on-screen keyboard. Your administrator password is 142857 (unless you have changed it). Screen will show "Successfully logged in as Admin user". Press "close" button.

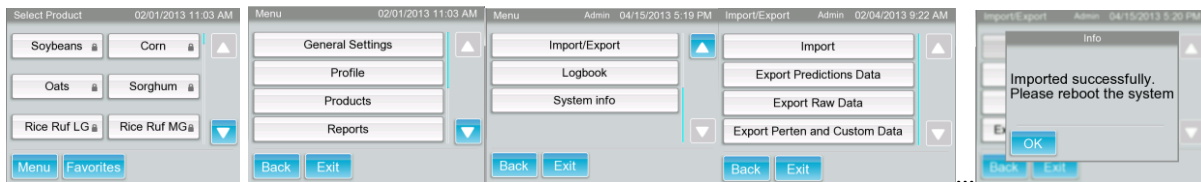


- b) Select (Menu - General settings - Maintenance - System recovery - Set a restore point). The screen will show a list of system files being archived. When this is complete, the unit will restart.

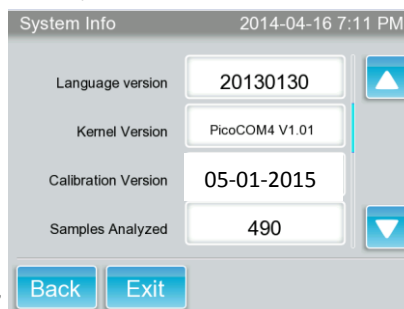




- 3) Turn on the power switch of the AM5200-A if it is not already operating. Connect the USB drive to either of the two ports on the back of the AM5200-A
- 4) Reset access right to "administrator" on the AM5200-A (Menu - General settings - Change access right - Default). Enter the administrator password 142857 (unless you have changed it); then press the "enter" key. Screen will show "Successfully logged in as Admin user". Press "close" button
- 5) Import the new settings (Menu - down-arrow - Import-export - Import). It will take some time to process the update file (up to 2 minutes). When the process is done, the message "Imported successfully. Please reboot the system" will appear. (If this message does not appear, remove the USB drive and start the process over from step 3)

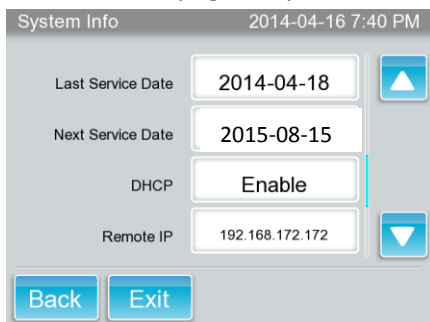


- 6) Remove the USB drive, turn off the power switch for a few seconds, then turn power on again.
- 7) Confirm update: ( Menu / down arrow / System info / down arrow

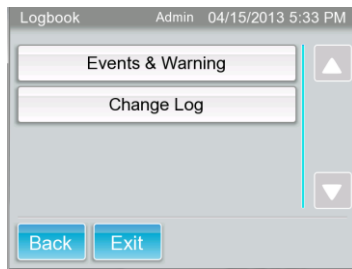


Calibration version should show "05-01-2015"

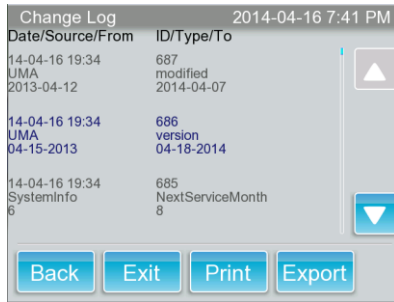
View the next page of system info (down arrow again) to check next service date of 2015-08-15:



8) Confirm audit trail (Back / Logbook / Change log).



Change record shown at top of page should be similar to the following screen shot, however, the numbers may vary.



9) For official users, retain a copy of the change log with the following procedure:

- Insert the USB drive into one of the ports on the back of the unit.
- While viewing the audit trail (step 7) press "Export" key. When "Export completed successfully" message appears, remove the USB drive and clear the message with "OK" button. Press "Exit" to return to main menu. The audit trail file name on the USB drive will be "ChangeLog\_..." with the current date following, and the instrument serial number.



10) The update is complete.

If you encounter any problems with this procedure, free phone assistance is available through Perten Instruments 7 am to 6 pm Central time, Monday – Friday at (217) 585-9440.